



## Field Testing on Innovative Timber Structures

<https://research.thinkwood.com/en/permalink/catalogue671>

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Year of Publication: 2014

Format: Conference Paper

Material: LVL (Laminated Veneer Lumber)

Application: Floors  
Frames

Topic: Design and Systems

Keywords: Beech  
Post-Tensioned  
Office Buildings

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 10-14, 2014, Quebec City, Canada

### Summary:

In timber research, a main objective is the development and promotion of innovative and efficient timber structures. Therefore a pilot building, named ETH House of Natural Resources, has been designed, which uses two innovative structural systems, a post-tensioned timber frame and a composite beech LVL concrete floor. The building will be used as an office building for the Laboratory of Hydraulics, Hydrology and Glaciology from ETH Zürich and will serve as a showcase building of a sustainable and reliable timber construction for students and researchers, among others.

Online Access: Free

### Resource Link

[http://scho.wshosted\\_files/wcte2014/fa/ABS170\\_Leyder\\_web.pdf](http://scho.wshosted_files/wcte2014/fa/ABS170_Leyder_web.pdf)